

Claims

1. A printing apparatus that reads a document while conveying the document and is provided with a serial printer section in which, while conveying a recording sheet, a recording head moves in a direction crossing a direction where the recording sheet is conveyed, the printing apparatus comprising:

a single driving motor that generates a driving force for conveying a document or a recording sheet;

a document conveying mechanism to which a rotation force generated by the driving motor can be transmitted to convey a document;

a recording sheet conveying mechanism that conveys a recording sheet when receiving the rotation force generated by the driving motor;

transmitting means for transmitting the rotation force generated by the driving motor to the document conveying mechanism when the recording head locates in a specified position; and

controlling means for controlling movement of the recording head so that the transmitting means can transmit the rotation force generated by the driving motor to the document conveying mechanism.

2. The printing apparatus of claim 1, wherein the

transmitting means includes a planetary gear,

the document conveying mechanism includes a gear that can mesh with the planetary gear, and

the planetary gear meshes with the gear provided in the document conveying mechanism when the recording head locates in the specified position.

3. The printing apparatus of claim 1 or 2, wherein the recording sheet conveying mechanism is provided with a gear that meshes with a gear placed on the driving motor, a main conveying roller that conveys a recording sheet to beneath the recording head, and a feeding roller for conveying a recording sheet to the main conveying roller, and

controlling means for controlling a rotation direction of the driving motor so as to switch between conveyance of a recording sheet by the main conveying roller and conveyance of a recording sheet by the feeding roller is provided.

4. The printing apparatus of any one of claims 1 to 3, wherein the recording head performs recording in accordance with an ink-jet method.